

Application Serial No. 09/901,013
Amendment dated December 8, 2003 (Monday)
Reply to Office action of June 6, 2003

Amendments to the Specification:

Please amend the paragraph added by the preliminary amendment filed July 10, 2001 at page 1, between lines 3 and 5, as follows:

CROSS REFERENCE TO RELATED APPLICATIONS

This application is a divisional of Serial No. 09/407,964, filed 29 September 1999, now ~~allowed~~ U.S. Patent No. 6,291,180 B1, to which priority is claimed and which is incorporated herein by reference.

Please amend the second full paragraph on page 9, between lines 6 and 8, as follows:

Figure 7 is a partially schematic representation of a robotic system showing four solutions, each in a different container. The complete system of tissue, ultrasound generator, transducer, sensors and CPU can be moved from one container to the next. ~~This is preferably controlled by a robotic system which is not shown.~~

Please amend the section entitled "Example 6", encompassing the second paragraph on page 29, between lines 6 and 18, as follows:

Example 6

Robotic System

In this system, illustrated in Figure 7 the tissue sample as well as the transducer and sensors are moved from one reaction chamber to the next by a robot 100. To fix a tissue sample, the tissue, transducer and sensors are all placed into a first reaction chamber containing fixative. After treatment with ultrasound in the fixative, ~~a robotic system~~ 100 removes the tissue sample, transducer and sensors and moves them all to

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the next reaction chamber containing ethanol. After treatment with ultrasound in the ethanol is complete, ~~the robotic system~~ 100 moves the tissue, transducer and sensors to a reaction chamber containing xylene. After treatment is complete in the xylene, ~~the robotic system~~ 100 moves the tissue into a reaction chamber containing paraffin at 60°C. The CPU is programmed to control the ultrasound generator for each of these steps. Once the tissue is imbedded with paraffin, the fixed tissue is robotically removed by robot 100 from the reaction chamber and surrounded with more paraffin to create a paraffin block.